



PTO-1449 Information Disclosure Citation In an Application	Application No. 09/853,316	Applicant(s) Takeshi Hoshida et al.	
	Docket Number 064731.0185	Group Art Unit 2633	Filing Date May 10. 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
nc	P	T. Miyano et al., "Suppression of degradation induced by SPM/XPM+GVD in WDM transmission using a bit-synchronous intensity modulated DPSK signal," Fifth Optoelectronics and Communications conference (OECC2000) Technical Digest 14D3-3, Makuhari Messe.	July 2000
mc	Q	W.A. Atia; R.S. Bondurant, "Demonstration of Return-To-Zero Signaling in Both OOK and DPSK Formats to Improve Receiver Sensitivity in an Optically Preamplified Receiver", Lasers and Electro-Optics Society 1999 12th Annual Meeting. LEOS '99. IEEE, Vol. 1, 8-11, pp. 226-227.	Nov. 1999
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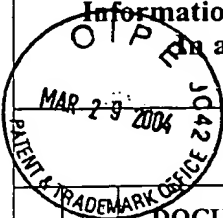
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U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MC	A	4,794,351	12/27/1988	Darcie	332	7.51	09/29/1986
MC	B	5,355,243	10/11/1994	King	359	190	08/11/1992
MC	C	5,515,196	05/07/1996	Kitajima et al.	359	180	04/02/1993
MC	D	5,644,664	07/01/1997	Burns et al.	385	2	06/06/1995
MC	E	5,912,755	06/15/1999	Bergano	359	181	02/08/1996
MC	F	6,005,702	12/21/1999	Suzuki et al.	359	183	02/19/1997
MC	G	6,058,147	05/02/2000	Eklof et al.	375	344	03/03/1997
MC	H	6,163,394	12/19/2000	Webb	359	181	02/12/1998
MC	I	6,323,993 B1	11/27/2001	Hansen et al.	359	337	02/19/1999
MC	J	6,341,023 B1	01/22/2002	Puc	359	124	07/23/1999
MC	K	6,407,845 B2	06/18/2002	Nakamoto	359	239	02/22/2001
MC	L	6,417,958 B1	07/09/2002	Du et al.	359	334	01/24/2001
MC	M	6,459,515 B1	10/01/2002	Bergano	359	124	03/12/1999

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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MC	N	JP02000059300A	02/25/2000	Japan	H04B	G01B	X	

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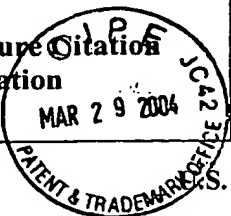
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U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
AC	V	6,473,214 B1	10/29/2002	Roberts et al.	359	181	04/01/1999
AC	W	6,549,311 B1	04/15/2003	Hakki et al.	359	124	07/14/1999
AC	X	6,556,326 B2	04/29/2003	Bergano	359	181	01/17/2001
AC	Y	6,556,327 B1	04/29/2003	Ohya et al.	359	183	11/05/1998
AC	Z	6,559,996 B1	05/06/2003	Miyamoto et al.	359	181	07/28/1999
AC	AA	6,606,178 B1	08/12/2003	Rhee et al.	359	183	09/23/1999
AC	BB	6,616,353 B1	09/09/2003	Helkey	398	183	10/07/1999
AC	CC	6,618,352 B1	09/09/2003	Shirakata et al.	370	203	05/25/1999
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FOREIGN PATENT DOCUMENTS

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MC	A	5,546,480	08/13/96	Leonard	385	3	04/28/95
MC	B	5,633,741	05/27/97	Giles	359	124	02/23/95
MC	C	5,778,014	07/07/98	Islam	372	6	12/23/96
MC	D	5,896,211	04/20/99	Watanabe	359	124	10/24/97
MC	E	5,898,517	04/27/99	Weis	356	5.09	01/15/98
MC	F	6,021,233	02/01/00	Koehler	385	24	02/12/98
MC	G	6,049,706	04/11/00	Cook et al.	455	313	10/21/98
MC	H	5,986,782	11/16/99	Alexander et al.	359	110	05/29/97
MC	I	6,118,397	09/12/00	Heflinger	341	137	06/17/98
MC	J	6,147,796	10/14/00	Ma et al.	359	341	01/12/99
MC	K	6,163,636	12/19/00	Stentz et al.	385	24	01/19/99
MC	L	6,178,208 B1	01/23/01	Gershon	375	322	12/18/97
	M						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
MC	Q	T. Ito, et al., "6.4 Tb/s (160 x 40 Gb/s) WDM Transmission Experiment with 0.8 bit/s/Hz Spectral Efficiency, Technical Digest of European Conference on Optical Communications 2000 (ECOC 2000), postdeadline paper 1.1 (Munich).	September, 2000
MC	R	S. Bigo, et al., "5.12 Tb/s (128x40 Gbit/s WDM) Transmission over 3x100 km OF TeraLight™ Fibre," Technical Digest of European Conference on Optical Communications 2000 (ECOC 2000), postdeadline paper 1.2 (Munich).	September, 2000
MC	S	A. Färbert, et al., "7 Tb/s (176x40 Gb/s) BiDirectional Interleaved Transmission with 50 GHz Channel Spacing, Technical Digest of European Conference on Optical Communications 2000 (ECOC 2000), postdeadline paper 1.2 (Munich).	September, 2000

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DATE CONSIDERED

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NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
mc	BB	T. Miyano, et al., "Suppression of Degradation Induced by SPM/XPM+GVD in WDM transmission using a bit-synchronous intensity modulated DPSK signal," Fifth Optoelectronics and Communications Conference (OECC 2000) Technical Digest (Related article by same authors entitled "WDM transmission using bit-synchronous intensity modulated DPSK signals," at proceedings of the 2000 IEICE general conference, B-10-135, p. 510, March 2000 (in Japanese)).					July, 2000
mc	CC	"Wavelength Division Multiplexing (WDM)," http://www.lightreading.com/document.asp					Printed May 9, 2001
mc	DD	"Nonlinear Effects," http://www.lightreading.com/document.asp					Printed May 9, 2001
mc	EE	"Optical Amplification," http://www.lightreading.com/document.asp					Printed May 9, 2001
mc	FF	"Erbium Doped-Fiber Amplifiers (EDFAs)," http://www.lightreading.com/document.asp					Printed May 9, 2001
mc	GG	"Raman Amplification," http://www.lightreading.com/document.asp					Printed May 9, 2001
mc	HH	S. Chinn, et al., "Sensitivity of Optically Pre-amplified DPSK Receivers with Fabry-Perot Filters," Journal of Lightwave Technology, Vol. 14, No. 3, pp. 370-376.					March, 1996
mc	II	G. Jacobsen, <i>Noise in Digital Optical Transmission Systems</i> , Artech House (Boston), p. 25.					July, 1994
EXAMINER				DATE CONSIDERED			
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nc	A	5,657,154	08/12/97	Yoneyama	359	341	04/12/96
nc	B	5,946,119	08/31/99	Bergano et al.	359	124	02/12/97
nc	C	US 6,178,036 B1	01/23/01	Yao	359	334	01/14/98
nc	D	US 6,181,464 B1	01/30/01	Kidorf et al.	359	334	12/01/98
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
nc	E	0 381 341 A2	08/08/90	EPO	H04B	10/14	X
nc	F	0 421 675 A2	04/10/91	EPO	H04B	10/16	X
nc	G	EP 0 714 187 A2	05/29/96	EPO	H04J	14/00	X
nc	H	EP 0 903 876 A1	03/24/99	EPO	H04B	10/17	X
nc	I	EP 1 018 666 A1	07/12/00	EPO	G02F	1/35	X
nc	J	EP 1 056 228 A2	11/29/00	EPO	H04B	10/155	X
nc	K	WO 01/22627 A1	03/29/01	PCT	H04B	10/18	X
nc	L	EP 1 102 114 A1	05/23/01	EPO	G02F	1/35	X
NON-PATENT DOCUMENTS							
DOCUMENT (Including Author, Title, Source, and Pertinent Pages)							DATE
nc	M	N. Edagaw et al. "Fiber Raman Amplifiers," Laser Kenkyu, XX, JP, vol 17, no. 9, 1989, pages 616-627, XP002946507, 12 pages.					1989
nc	N	M. Tomizawa et al. "Automatic Dispersion Equalization for Installing High-Speed Optical Transmission Systems" Journal of Lightwave Technology, IEEE, New York, vol 16, no. 2, February 1, 1989, pages 184-191, XP000750656, 8 pages.					February 1, 1989
nc	O	E. Brun-Maunand et al. "Recent Progress on Soliton Systems," 22nd European Conference on Optical Communication - ECOC 1996, Oslo, pages 3.93-3.100, XP010303122, 8 pages.					1996
nc	P	Y. Yamabayashi et al. "Single-Wavelength Dispersion Measurement for Multiple-Fiber Section Connected with Narrow-Band Optical Amplifiers" IEEE Transactions on Instrumentation and Measurement, IEEE, Inc. New York, vol. 45, no. 1, February 1996, pages 218-224, XP000557132, 7 pages.					February 1996
nc	Q	O. Vassilieva et al. "Numerical comparison of NRZ, CS-RZ and IM-DPSK formals in 43Gbit/s WDM transmission," 14th Annual Meeting of the IEEE Lasers and Electro-Optics Society, Leos 2001, San Diego, CA, dated November 12-13, 2001, XP001085363, 2 pages.					November 12-13, 2001
nc	R	PCT International Search Report in International Application No. PCT/IB 02/01587, dated May 9, 2002, 7 pages.					May 9, 2002
nc	S	PCT International Search Report in International Application No. PCT/IB 02/01588, dated May 9, 2002, 7 pages.					May 9, 2002
nc	T	PCT International Search Report in International Application No. PCT/IB 02/01589, dated May 9, 2002, 7 pages.					May 9, 2002
nc	U	PCT International Search Report in International Application No. PCT/IB 02/01592, dated May 9, 2002, 7 pages.					May 9, 2002
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 U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
mc	A	5,351,148	09/27/94	Maeda et al.	359	124	05/26/93
mc	B	6,057,950	05/02/00	Bergano	359	181	02/09/99
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mc	M	WO 01/08422 A2	02/01/01	PCT	H04Q		X	
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